



RAILROAD COMMISSION OF TEXAS

Form W-2

1701 N. Congress
P.O. Box 12967
Austin, Texas 78701-2967

Status: Approved
Date: 12/09/2014
Tracking No.: 100393

OIL WELL POTENTIAL TEST, COMPLETION OR RECOMPLETION REPORT,

OPERATOR INFORMATION

Operator	OXY USA INC.	Operator	630591
Operator	ATTN KELLEY MONTGOMERY 5 GREENWAY PLAZA SUITE 110 HOUSTON, TX 77046-0000		

WELL INFORMATION

API	42-103-32632	County:	CRANE
Well No.:	S 5	RRC District	08
Lease	BLOCK 31 UNIT	Field	BLOCK 31 (ATOKA 7900)
RRC Lease	36151	Field No.:	09358090
Location	Section: 28, Block: 31, Survey: UL, Abstract: U76		
Latitude	Longitude		
This well is 8.5 miles in a NW direction from CRANE, which is the nearest town in the			

FILING INFORMATION

Purpose of	Well Record Only		
Type of	Plug Back		
Well Type:	Producing	Completion or Recompletion	01/06/2014
<u>Type of Permit</u>	<u>Date</u>	<u>Permit No.</u>	
Permit to Drill, Plug Back, or	12/11/2013	775104	
Rule 37 Exception			
Fluid Injection			
O&G Waste Disposal			
Other:			

COMPLETION INFORMATION

Spud	12/30/2013	Date of first production after rig	01/06/2014
Date plug back, deepening, drilling operation	12/30/2013	Date plug back, deepening, recompletion, drilling operation	01/03/2014
Number of producing wells on this lease this field (reservoir) including this	10	Distance to nearest well in lease & reservoir	2091.0
Total number of acres in	7840.00	Elevation	
Total depth TVD	9080	Total depth MD	
Plug back depth TVD	8180	Plug back depth MD	
Was directional survey made other inclination (Form W-	No	Rotation time within surface casing Is Cementing Affidavit (Form W-15)	No
Recompletion or	No	Multiple	No
Type(s) of electric or other log(s)	Neutron logs		
Electric Log Other Description:			
Location of well, relative to nearest lease of lease on which this well is	3958.0	Feet from the North	Off Lease : No
	3956.0	Feet from the West	Line and
			Line of the
			Lease.
		BLOCK 31 UNIT	

FORMER FIELD (WITH RESERVOIR) & GAS ID OR OIL LEASE NO.

Field & Reservoir	Gas ID or Oil Lease	Well No.	Prior Service Type
W2:	N/A		

PACKET	BLOCK 31 (DEVONIAN)	00442	S 5
FOR NEW DRILL OR RE-ENTRY, SURFACE CASING DEPTH DETERMINED BY:			
GAU Groundwater Protection Determination	Depth	650.0	Date 11/06/2013
SWR 13 Exception	Depth		

INITIAL POTENTIAL TEST DATA FOR NEW COMPLETION OR RECOMPLETION			
Date of		Production	
Number of hours	24	Choke	
Was swab used during this	No	Oil produced prior to	
PRODUCTION DURING TEST PERIOD:			
Oil		Gas	
Gas - Oil	0	Flowing Tubing	
Water			
CALCULATED 24-HOUR RATE			
Oil		Gas	
Oil Gravity - API - 60.:		Casing	
Water			

CASING RECORD											
Ro	Type of Casing	Casing	Hole	Setting	Multi -	Multi -	Cement	Cement	Slurry	Top of	TOC
		Size (in.)	Size	Depth	Stage Tool	Stage Shoe	Class	Amoun	Volume (cu.	Cement (ft.)	Determined By
1	Surface	8 5/8	12 1/4	2700			CL C	900	1188.0	0	Circulated to Surface
2	Conventional Production	5 1/2	7 7/8	9080			CL C	1500	1980.0	2749	Temperature Survey

LINER RECORD									
<u>Ro</u>	<u>Liner Size</u>	<u>Hole Size</u>	<u>Liner Top</u>	<u>Liner Bottom</u>	<u>Cement Class</u>	<u>Cement Amoun</u>	<u>Slurry Volume (cu.</u>	<u>Top of Cement (ft.)</u>	<u>TOC Determined</u>
N/A									

TUBING RECORD				
<u>Ro</u>	<u>Size (in.)</u>	<u>Depth</u>	<u>Size (ft.)</u>	<u>Packer Depth (ft.)/Type</u>
1	2 7/8	7590		7600 /

PRODUCING/INJECTION/DISPOSAL INTERVAL			
<u>Ro</u>	<u>Open hole?</u>	<u>From (ft.)</u>	<u>To (ft.)</u>
1	No	L 7703	7714.0

ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC.			
Was hydraulic fracturing treatment		No	
Is well equipped with a downhole sleeve?		No	
		If yes, actuation pressure	
Production casing test pressure (PSIG) during hydraulic fracturing		Actual maximum pressure (PSIG) during fracturin	
Has the hydraulic fracturing fluid disclosure been		No	
<u>Ro</u>	<u>Type of Operation</u>	<u>Amount and Kind of Material Used</u>	<u>Depth Interval (ft.)</u>
1	Acid	ACD W/ 1500 GALS 15% HCL + 17 BALL SEALERS	7703 7714

FORMATION RECORD

<u>Formations</u>	<u>Encountere</u>	<u>Depth TVD</u>	<u>Depth MD</u>	<u>Is formation</u>	<u>Remarks</u>
GRAYBURG	No	3074.0		No	
GLORIETA	No	4232.0		No	
ATOKA	No	7672.0		No	
DEVONIAN	No	8561.0		No	

Do the producing interval of this well produce H ₂ S with a concentration in excess of 100 ppm	No
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Is the completion being downhole commingled	No
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REMARKS	

RRC REMARKS

PUBLIC COMMENTS:

CASING RECORD :

WELL TA'D IN DEVONIAN, PLUGGED BACK TO ATOKA AND SHUT IN WAITING ON ENGINEER DECISIONS.

TUBING RECORD:

PRODUCING/INJECTION/DISPOSAL INTERVAL :

ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC. :

THIS WELL WAS PLUGGED BACK FROM THE DEVONIAN TO THE ATOKA. THE ATOKA WAS PERF'D, ACIDIZED, SWABBED WITH LITTLE PRODUCTION, WELL WAS SHUT IN WAITING ON DECISIOINS.

POTENTIAL TEST DATA:

THIS WELL WAS IN THE DEVONIAN. PLUGGED BACK TO ATOKA, PERF'D, ACIDIZED, SWABBED - NO PRODUCTION. WELL SHUT IN WAITING ON ENGINEER DECISION.

OPERATOR'S CERTIFICATION

Printed	Mary Lyn Marr	Title:	Regulatory Technician
Telephone	(713) 366-5919	Date	08/01/2014

Groundwater
Advisory Unit

GROUNDWATER PROTECTION DETERMINATION

Date **November 6, 2013**

GAU File No.: SC- **7949**

API Number **10303028**

Attention: **MARY MARR**

RRC Lease No. **000442**

SC_630591_10303028_000442_7949.pdf

OXY USA INC
P O BOX 50250
MIDLAND TX 79710-0250

P-5# 630591

--Measured--

660 ft FEL

1980 ft FSL

MRL: SECTION

Digital Map Location:

X-coord/Long **102.46319**

Y-coord/Lat **31.46165**

Datum **27**

Zone

County **CRANE**

Lease & Well No. **BLOCK 31 UNIT #L1&ALL**

Purpose **H1**

Location **SUR-UL, BLK-31, SEC-28, -- [TD=9253], [RRC 8],**

To protect usable-quality groundwater at this location, the Groundwater Advisory Unit of the Texas Railroad Commission recommends:

The interval from the land surface to the base of the SANTA ROSA, which is estimated to occur at a depth of 650 feet, must be protected.


The BASE OF UNDERGROUND SOURCES OF DRINKING WATER (USDW) is estimated to occur at a depth of 700 feet at the site of the referenced well.

This recommendation is adequate for wells drilled in this section 28.

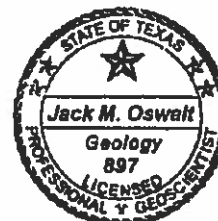
Note: Unless stated otherwise, this recommendation is intended to apply only to the subject well and not for area-wide use. This recommendation is intended for normal drilling, production, and plugging operations only. It does not apply to saltwater disposal operation into a nonproductive zone (RRC Form W-14).

If you have any questions, please contact us at 512-463-2741, gau@rrc.state.tx.us, or by mail.

Sincerely,


Digitally signed by Jack Oswalt
DN: c=US, st=TEXAS, l=Austin,
o=Railroad Commission of Texas,
ou=Groundwater Advisory Unit, cn=Jack
Oswalt, email=jack.oswalt@rrc.state.tx.us
Date: 2013.11.06 08:39:30 -06'00'
Jack M. Oswalt, P.G.

GEOLOGIST SEAL



Geologist, Groundwater Advisory Unit
Oil & Gas Division

The seal appearing on this document was authorized by Jack M. Oswalt on 11/6/2013
Not an Alteration of this electronic document will invalidate the digital signature.

Approx. 8.5 miles Northwest of Crane, TX

HENRY
RESOURCES

UNIVERSITY LAND SURVEY
Block 31



BLOCK 31 (ATOKA 7900) FIELD

LEASE ACREAGE = 7840± AC.

LEASE BOUNDARY - - - - -

PRODUCING WELL - - - - - ●

INJECTION WELL - - - - - ⊙

WELL LOCATIONS - - - - - ⊙ ○

PROPOSED CONVERSION - - - - - ⊙_{PC}

I, DENNIS W. HUGHES hereby certify that this plat,
drawn to the scale indicated, accurately represents
conditions as they actually exist on the property
on which permit to drill is sought and correctly
reflects all pertinent data required to be shown on
such plat by orders of the Railroad Commission of Texas.

Dennis W. Hughes

Date: 12-5-2013

DAKOTA
RESOURCES

OXY USA, INC
BLOCK 31



OXY USA INC.

Partial Unit Plat

BLOCK 31 UNIT

Well No. S5

Crane County, Texas

Scale: 1" = 500' 12-5-2013 466/block_31.DGN
Plat prepared by MAL
Horizon Survey, Inc.